

# Solving Radical Equations Bell Work

## 1. Complete the following statements.

- a. A radical equation is an equation that contains a radical expression with a variable in the \_\_\_\_\_.
- b. The first step of solving radical equation is \_\_\_\_\_.

## 2. Which equation is radical equation?

- a.  $2x = 24$
- b.  $6\sqrt{x} = 5$
- c.  $5x + 2 = 7$
- d.  $\frac{1}{2}x^2 = \sqrt{2}$

## 3. Write T for true or F for false.

- a.  $\sqrt{5} - 2 = x$  is radical equation
- b.  $\sqrt{x+2} - 2 = 4$  is not radical equation
- c.  $4 - x + \sqrt{x} = 9$  is radical equation

## 4. Underline the equation that is equivalent to $\sqrt{x+1} = 5$

- a.  $\sqrt{x+1} = 10$
- b.  $\sqrt{x+2} = 6$
- c.  $\sqrt{x+1} + 3 = 8$

## 5. Underline the equation that is equivalent to $2\sqrt{x} - 1 = x + 5$

- a.  $x\sqrt{2} = x + 5$
- b.  $\sqrt{x-1} = x + 5$
- c.  $2\sqrt{x} = x + 6$